PTO/SB/17 (10/02) (modified)
Approved for use through 04/30/2003, OMB 0651-0032
Patent and Trademark Office; US DEPARTMENT OF COMMERCE



#### 2004

## FEE TRANSMITTAL

### TOTAL AMOUNT OF PAYMENT

Subtotal (1) + Subtotal (2) + Subtotal (3) = (\$) 284.00

	l atentana ma	Complete if Known
	Application Number	10/074,827
	Filing Date	February 12, 2002
	Inventor	Edward C. McKinney, Jr. et al.
	Group Art Unit	1711
	Examiner Name	Thao T. Tran
-	Attorney Docket Number	SHPR-01041USQ

1. The Commissioner is hereby authorized to:	<u> </u>	METHOD OF	PAYMENT				FEE CAL	<u> CULATI</u>	ON (continu	ed)	
Charge the indicated fees to the below membroed depotal account with the control of the contro	1. The Comr	nissioner is he	ereby authorize	ed to:							
105/15/130   205/15/86   Surcharge-late provisional filing fee or coath   105/15/130   205/15/86   Surcharge-late provisional filing fee or cover sheet   105/15/130   205/15/86   Surcharge-late provisional filing fee or cover sheet   105/15/130   205/15/86   Surcharge-late provisional filing fee or cover sheet   105/15/130   205/15/86   Surcharge-late provisional filing fee or cover sheet   105/15/130   205/15/86   Surcharge-late provisional filing fee or cover sheet   105/15/130   205/15/86   Surcharge-late provisional filing fee or cover sheet   105/15/130   151/25/25/20   Extension for response within first month   125/25/25/20   225/25/210   Extension for response within first month   125/25/25/20   225/25/210   Extension for response within first month   125/25/25/20   225/25/25/20   225/25/20   Extension for response within first month   125/25/25/20   225/25/20   225/25/20   Extension for response within first month   125/25/25/20   225/25/20   225/25/20   Extension for response within first month   125/25/25/20   225/25/20   225/25/20   Extension for response within first month   125/25/25/20   225/25/20								Fee Descri	iption		Fee Due
1502/\$5   2052/\$25   Surcharge-late provisional filing fee or cover sheet   1502/\$5   2052/\$25   Surcharge-late provisional filing fee or cover sheet   1502/\$5   2052/\$25   Surcharge-late provisional filing fee or cover sheet   1502/\$5   2052/\$25   Surcharge-late provisional filing fee or cover sheet   1502/\$5   Surcharge-late provisional filing fee or		·		or 37	1051/ <b>\$130</b>	2051	<b>/\$</b> 65	Surcharge	- late filing fee or	oath	
Applicant claims small entity status.   1812/82,320   1812/82,320   For filing a request for reexamination	CFF	R 1.16 - 1.21 or cre	edit any over payr	ments	1052/ <b>\$50</b>	2052	/\$25	Surcharge	-late provisional f	iling fee or cover	sheet
1251/\$140	l <u>-</u>		•		1812/ <b>\$2,520</b>	1812/\$	2,520	For filing a	request for reexa	amination	
1253/\$950   2253/\$475   Extension for response within third month	See	37 CFR 1.27.	il citity status.		1251/ <b>\$110</b>	2251	<b>/\$55</b>	Extension	for response with	in first month <sup>†</sup>	
Deposit Account Name: Filester Dubb Meyer & Lovejoy   1254 \$1,480   2254 \$740   Extension for response within fourth month	•				1252/ <b>\$420</b>	2252	\$210	Extension	for response with	in second month	† <u> </u>
1264\$1,480   2264\$740   Extension for response within fourth month   1254\$1,480   1255\$1,970   2255\$885   Extension for response within fourth month   1255\$1,970   2255\$885   Extension for response within fourth month   1401\$320   2401\$160   Notice of Appeal   1401\$320   2401\$160   Notice of Appeal   1401\$320   2401\$160   Notice of Appeal   1401\$320   2401\$3850   Petition to revive unintentionally abandoned application   1501\$710   2001\$385   Utility Filing   1501\$1,330   2501\$685   Utility Issue Fee (Or Reissue)   1602\$330   2002\$165   Design Filing   1460\$130   1460\$130   Petitions to the Commissioner   1806\$180   1460\$130   1460\$130   Petitions to the Commissioner   1806\$180   2004\$3375   Reissue   1806\$180   Submission of Information Disclosure Statement   1800\$1810   Submission after final rejection   1809\$750   2809\$375   Filing a submission after final rejection   1809\$750   2809\$750   1809\$				P I evolev	1253/ <b>\$950</b>	2253/	\$475	Extension	for response with	in third month <sup>†</sup>	
2. X Payment Enclosed: [X   Check [ ] Other  FEE CALCULATION (fees effective 10/1/01) 1. FILING FEE Cacle Entity Fee CodeFee  1001/\$770	Deposit Accou	int Name: Files	ier Dubb Meyer o	& Lovejoy	1254/ <b>\$1,480</b>	2254/	\$740	Extension	for response with	in fourth month <sup>†</sup>	
The continuent of the contin	2 -V - Pa	umant Englace	ad.		1255/ <b>\$1,970</b>	2255/	\$985	Extension	for response with	in fifth month <sup>†</sup>	
1. FLING FEE					1401/ <b>\$320</b>	2401/	\$160	Notice of A	Appeal		-
1501/\$1,330   2501/\$465   Utility Issue Fee (Or Reissue)	1. FILING F	EE			1453/ <b>\$1,300</b>	2453/	\$650			nally abandoned	
1002/\$330   2002/\$165   Design Filing   1460/\$130   1460/\$130   Petitions to the Commissioner   1004/\$750   2004/\$375   Reissue   1814/\$110   2814/\$55   Statutory Disclaimer   1806/\$180   Submission of Information Disclosure Statement   180   1806/\$180   1806/\$180   Submission of Information Disclosure Statement   180   1806/\$180   Submission of Information Disclosure Statement   1806/\$180   Submission of Information Disclosure Stat					1501/ <b>\$1,330</b>	2501	\$665	Utility Issue	e Fee (Or Reissu	e)	
1004/\$750   2004/\$375   Reissue	1001/\$770	2001/ <b>\$385</b>	Utility Filing [		1502/ <b>\$470</b>	2502	\$235	Design Iss	ue Fee		
1806/\$180   1806/\$180   Submission of Information Disclosure Statement   180	1002/ <b>\$330</b>	2002/ <b>\$165</b>	Design Filing [		1460/ <b>\$130</b>	1460	<b>/\$130</b>	Petitions to	the Commission	ner	
1005/\$160   2005/\$80   Provisional Filing   8021/\$40   8021/\$40   Recording each patent assignment per property (times number of properties)	1004/\$750	2004/ <b>\$375</b>	Reissue		1814/ <b>\$110</b>	2814	/\$55	Statutory D	Disclaimer		
SUBTOTAL (1)   Substitute   S	4005/0400	0005/400	L		1806/ <b>\$180</b>	1806/	\$180	Submissio	n of Information I	Disclosure Staten	nent <b>180</b>
SUBTOTAL (1) (\$) 0   1809/\$750   2809/\$375   Filing a submission after final rejection (37 CFR 1.129(a))	1005/\$160	2005/ <b>\$80</b>			8021/ <b>\$40</b>	8021	/\$40				erty
2. CLAIMS   Large Entity   Fee Code/Fee   Fee Description   1801/\$770   2801/\$385   Request for Continued Examination (RCE)		SUBTOTAL	_ (1) (\$) 0		4000/8750	2800	( <b>6</b> 275	•			
Fee Code/Fee Fee Code/Fee Fee Description  1202/\$18	2. CLAIMS	<u> </u>			1009/ <b>\$130</b>	2009	φ3/3			arrejection	
Other fee (specify):  1201/\$86			Fee Description	n	1801/ <b>\$770</b>	2801	<b>/\$385</b>	Request fo	or Continued Exa	mination (RCE)	
1201/\$86   2201/\$43   Independent claims in excess of 3   Other fee (specify):	1202/\$18	2202/\$9	Claims in exces	ss of 20		Other fe	e (specify)				
1203/\$280 2203/\$140 Multiple dependent claim  1204/\$86 2204/\$43 Reissue independent claims over original patent 1205/\$18 2205/\$9 Reissue claims in excess of 20 and over original patent 1205/\$18 2205/\$9 Reissue claims in excess of 20 and over original patent 1205/\$18 2205/\$9 Reissue claims in excess of 20 and over original patent 1205/\$18 2205/\$9 Reissue claims in excess of 20 and over original patent 1205/\$18 2205/\$9 Reissue claims in excess of 20 and over original patent 1205/\$18 205/\$9 Reissue claims in excess of 20 and over original patent 1205/\$18 205/\$9 Reissue claims in excess of 20 or 38 = 1 x 18 = 18   INDEP 9 minus* 3 or 8 = 1 x 86 = 86   I First presentation of multiple dependent claim 1205/\$18 = 105/\$18 =	1201/\$86	2201/ <b>\$43</b>		aims							
claims over original patent Reissue claims in excess of 20 and over original patent Patent  Claims  Reissue claims in excess of 20 and over original patent  TOTAL 39 minus* 20 or 38 = 1 x 18 = 18  INDEP 9 minus* 3 or 8 = 1 x 86 = 86  [ ] First presentation of multiple dependent claim  * Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3  SUBMITTED BY  Typed or Printed Name  Jeffrey R. Kurin  Reg. Number  41,132	1203/ <b>\$280</b>	2203/ <b>\$140</b>	Multiple depend	dent claim					SU	BTOTAL (3)	(\$) 180
Reissue claims in excess of 20 and over original patent    TOTAL 39	1204/\$86	2204/ <b>\$43</b>			No. of	 ] Г	Highest			Fee	
patent  INDEP 9 minus* 3 or 8 = 1 x 86 = 86  [ ] First presentation of multiple dependent claim = 0  * Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3  SUBMITTED BY  Typed or Printed Name Jeffrey R. Kurin Reg. Number 41,132	1205/\$18	2205/\$9			Claims	l L	Paid For	<u>·                                      </u>			
* Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3  SUBMITTED BY Typed or Printed Name  Jeffrey R. Kurin  Reg. Number  41,132	}			i origirial						<del></del>	= 86
** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3  SUBMITTED BY Typed or Printed Name  Jeffrey R. Kurin  Reg. Number  41,132					[ ] First pres	sentation of m	ultiple depend	lent claim			= 0
Typed or Printed Name								2 is less tha			(\$) 104
	SUBMITTED E	BY							Complete (if a	pplicable)	
Signature July N. Kenny Date 1/6/04			effrey R. Kurin	1					Reg. Number	, 41	1,132
	Signature	Ty	len 1.	Ke					Date	1/6/0	1



#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor:

Edward C. McKinney, Jr. et al

Appl. No.:

10/074,827

Confirm. No.:

8062

Filed:

February 12, 2002

Title: Electro-Kinetic Air Transporter-Conditioner with

Non-Equidistant Collector Electrodes

PATENT APPLICATION

Art Unit:

1711

Examiner:

Thao T. Tran

Customer No. 23910

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on \_\_\_\_\_\_\_\_.

(Attorney Signature)

#### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner for Patents

PO Box 1450

01/09/2004 EFLORES 00000090 10074827

Alexandria, VA 22313-1450

03 FC:1806

180.00 OP

Dear Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

#### Enclosed with this statement are the following:

- Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in <u>X</u> accordance with MPEP §609.
- \_X\_ The present application was filed prior to June 30, 2003. A copy of each cited document as required by 37 C.F.R. §1.98 is enclosed.
- $_{
  m X}$ If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

	Inform counter	ation Di rpart app	sclosure Statement was cited in a communication from a foreign patent office in a collication and this communication was not received by any individual designated in than thirty days prior to the filing of the information disclosure statement.
This sta	itement	should	be considered because:
	_	37 C.I becaus	F.R. §1.97(b). This statement qualifies under 37 C.F.R. §1.97, subsection (b) e:
		(1)	It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);  OR
		(2)	It is being filed within 3 months of entry of a national stage; OR
		(3)	It is being filed before the mailing date of the first Office Action on the merits, OR
			s being filed before the mailing date of the first Office Action after the filing of a quest for Continued Examination under 37 C.F.R. §1.114.
	<u>X</u>		F.R. §1.97(c). Although it may not qualify under subsection (b), this statement es under 37 C.F.R. §1.97, subsection (c) because:
		(1)	It is being filed before the mailing date of a FINAL Office Action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first.
			AND (check at least one of the following)
		_	(1) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e) OR
		<u>X</u>	(2) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).
			F.R. §1.97(d). Although it may not qualify under subsection (b) or (c), this ent qualifies under 37 C.F.R. §1.97, subsection (d) because:
		(1)	It is being filed on or before payment of the issue fee; AND
		(2)	It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e); AND
		(3)	It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).
<u>X</u>			ntion. The Commissioner is hereby authorized to charge underpayment of any or credit any overpayment associated with this communication to Deposit Account

Fliesler Meyer LLP

Four Embarcadero Center, Fourth Floor San Francisco, California 94111-4156

Jeffrey R. Kurin, Reg. No. 41,132

Respectfully submitted,

FORM PTO-1449 (Substitute)

JAN 0 8 2004

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

Attorney Docket Number SHPR-01041USQ

Serial No.

10/074,827

Applicant

Edward C. McKinney, Jr. et al.

Filing Date

February 12, 2002

Group Art Unit

INFORMATION DISCLOSURE CITATION	
APPLICANT	

U.S. PATENTS									
xaminer Initial		Patent Number	Issue Date	Name	Class	Subclass	Filing Date		
	1.	1,791,338 A	2/3/1931	Wintermute			4/12/1927		
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	7.	3,518,462 A	6/30/1970	Brown			8/21/1967		
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	16.	4,357,150 A	11/2/1982	Masuda et al.			2/5/1981		
	17.	4,509,958 A	4/9/1985	Masuda et al.			10/8/1982		
	18.	4,516,991 A	5/14/1985	Kawashima			4/25/1982		
	19.	4,587,475 A	5/6/1986	Finney, Jr. et al.			7/25/1983		
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	23.	4,726,814 A	2/23/1988	Weitman			6/27/1986		
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	26.	4,786,844 A	11/22/1988	Farrell et al.			3/30/1987		
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	28.	5,183,480 A	2/2/1993	Raterman et al.			10/28/199		

FORM PTO-1449 (Substitute)

JAN 0 8 2004

BY APPLICANT

INFORMATION

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

SCLOSURE CITATION

Attorney Docket Number SHPR-01041USQ Serial No.

10/074,827

Applicant

Edward C. McKinney, Jr. et al.

Filing Date

Group Art Unit February 12, 2002

1711

· · · · · · · · · · · · · · · · · · ·				Applicant
····	·	U.S. PA	TENT PUBLICATIONS	
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50.	2002/0152890 A1	10/24/2002	Leiser
51.	2002/0170435 A1	11/21/2002	Joannou
52.	2002/0190658 A1	12/19/2002	Lee
53.	2002/0195951 A1	12/26/2002	Lee
54.	2003/0005824 A1	1/9/2003	Katou et al.

FORM PTO-1449 (Substitute)

JAN 0 8 2004

BY APPLICANT

INFORMATION

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

OSURE CITATION

Attorney Docket Number SHPR-01041USQ

Serial No.

10/074,827

Applicant

Edward C. McKinney, Jr. et al.

Filing Date

February 12, 2002

Group Art Unit 1711

		1			Petition t	o Expung
xaminer Initial		Application Number	Filing Date	Inventor	Yes	No
	55.	10/278,193	10/21/2002	Reeves		X
	56.	10/405,193	4/1/2003	Taylor		X
		FORE	IGN PATENT DOCUME	ENTS		
	<u> </u>	rotte	IGNTATENT DOCUME		Trai	nslation
Examiner Initial		Document Number	Publication Date	Country	Yes	No
	57.	WO00/10713 A1	3/2/2000	International	1	
	58.	WO01/64349 A1	9/7/2001	International	1	
	59.	WO01/85348 A2	11/15/2001	International	1	
	60.	WO02/20162 A2	3/14/2002	International	1	
	61.	WO02/20163 A2	3/14/2002	International	1	
	62.	WO02/30574 A1	4/18/2002	International	1	
	63.	WO02/32578 A1	4/25/2002	International	1	
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	66.	WO03/009944 A1	2/6/2003	International	1	
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	68.	EP 0433152 A1	12/10/1990	Europe	<b>/</b>	<u> </u>
		OTHER DOCUME	CNTS (Including Author, Title, D	Data Partinant Pagas etc.)		
	Ī	Trion Console 250 Electronic Air	Purifier photos and web litera	ture from http://www.ontimen	nall.com/	
	69.	trionconsole250electronic.html a	nd http://www.airfilters.net/netp	place/hepa/250.html, Dates Ur	known	
EXAMINER			DATE CONSIDERED			
		ferences considered, whether or not citation is in c	onformance with MPEP § 609; Draw line thr	ough citation if not in conformance and no	t considered. Inc	lude copy
		unication to applicant. because it was submitted in prior application	· · · · · · · · · · · · · · · · · · ·	, 20 , and relied upon under 35 USC		-

PREVIOUSLY SUBMITTED

The United States Patent and Trademark Office date stamp sets forth the date of receipt of:

RECEIVED

Edward C. McKinney, Jr., et al.

OCT 2 2 2002

Inventor: Application No.

Filing Date:

10/074,827

February 12, 2002

FLIESLER DUBB

ELECTRO-KINETIC AIR TRANSPORTER-CONDITION ELECTRODES WITH NON-EQUIDISTANT COLLECTOR ELECTRODES

#### **Enclosed:**

Supplemental Information Disclosure Statement, PTO 1449 (5 sheets), along with cited references;

Copy of the PCT Search Report dated August 6, 2001; and 2.

Certificate of Mailing.

Attorney Docket No.:

SHPR-01041USQ SRM

Attorney:

SRM/js

Mailing Date: October 8, 2002

Date Due: n/a

Fliesler, Dubb, Meyer & Lovejoy File: SHPR-01041VSQ Action Item: Date Due: \_ Critical Date: \_ SRM Attorney Path: \_ Docketed By: Verified By: mp

JAN 0 8 20

BY APPLICANT

(Use several sheets if necessary)

Form PTO-1449 (Substitute)

# U.S. DREATMENT OF COMMERCE

Attorney Docket Number SHPR-01041USQ

Serial/Patent Number 10/074,827

INFORMATION DISCLOSURE STATEMENT

Applicant/Patent Owner
Edward C. Mc

Edward C. McKinney, Jr., et al.

Filing/Issue Date

February 12, 2002

Group Art Unit 1741

#### U.S. PATENTS

	·			.S. TATEMIS		<del>,</del>	
Examiner Initial		Patent Number	` Issue Date	First Named Inventor	Class	Subclass	Filing Date
Intial	1.	2,949,550	Aug. 16, 1960	Brown	310	5	Jul. 3, 1957
	2.		Oct. 4, 1977	Kide	55	139	Mar. 1, 1976
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	3.	4,138,233	Feb. 6, 1979	Masuda	<del> </del>	139	Jun. 16, 1977
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